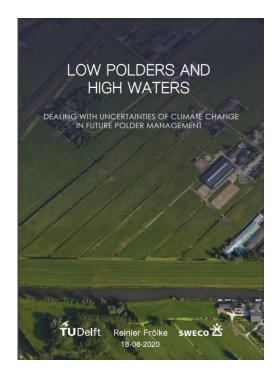


Starting/Doing a MSc Thesis

Graduation Procedures

Track Environmental Engineering

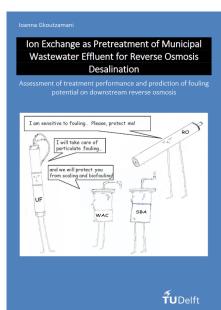












Orientation for a topic

Doing the thesis work / Graduation guide

Checklist / Procedures

Orientation for a topic

- ☐ Brightspace site:
- NOT ONLY EE track!



☐ This thesis market

& Meet the supervisor





☐ Ongoing and completed MSc research 1991-2021

Water Management Website: Checklists MSc

Completed MSc theses Water Resources/Hydrology: Link

Completed MSc theses Sanitary Engineering / Urban Drainage: Link

In choosing a topic, take into consideration that you must like it, but also that a MSc thesis is important to show to your future employers, and as the perfect way to demonstrate (all) your skills.

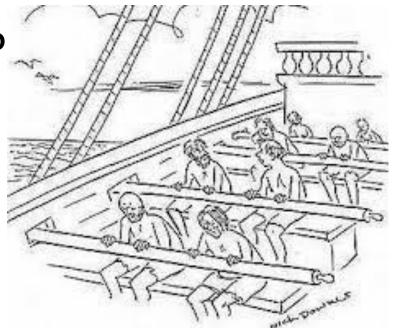
Doing the thesis work: at company?

Highlights:

Thesis with a host organization

TU Delft website "student portal > education > forms master" See "conditions for graduation at a company"

- ☐ Combined contract company / TU Delft
- ☐ Contract manager TU Delft signs



Are you in their internship program as well?

https://www.tudelft.nl/en/student/ceg-student-portal/education/master/forms-master

- I. The student offers the TUD graduation agreement to the company. This agreement is compliant with the respective laws and regulations. If the company accepts the agreement, all parties can proceed with filling in the form. If the company doesn't accept the TUD graduation agreement, the student cannot proceed with his/her graduation at this company.
- 2. Company and thesis supervisor of TU Delft agree with the contents of the thesis agreement.
- 3. Student and company supervisor fill in and sign the graduation agreement
- 4. The student will email the graduation agreement and the appendix (approved description of the graduation project) to Legal Service. Legal Service verifies if the agreement is the TU Delft standard graduation agreement and delivers it to the Dean. The Dean signs the graduation agreement;
- 5. The student receives the agreement, signed by the dean, by email. Student can start on the graduation assignment at the company.

Doing the thesis work: Starting



Start

Not a fixed date Minimum 65 ECTS obtained

First the committee approves the proposal

Duration:

40 EC = 28 weeks !! The quality counts!!



Isaac Newton struggling to formulate his proposal



Doing the thesis work: committee composition

See graduation guide Environmental Engineering Website Water Management

Highlights:

Composition of the assessment committee:

Rules & Guidelines (R&G) Board of Examiners 2021-2022: Article 23

Preferably 3 (minimally 2) academic staff members TU Delft:

- 2 academic staff, including chair, from CEG
- The chairperson represents the track specialization of the MSc-candidate
- 2 different research groups/sections
- One additional (3th or higher) member can be a researcher / PhD student (under conditions)

Additional experts are allowed

Note: there are more conditions: ALWAYS discuss with graduation coordinator during formation of the committee!

I look
forward to getting
to know all of you
over the coming

year

Year

?!?

Stu's Views

https://www.tudelft.nl/studenten/faculteiten/citg-studentenportal/onderwijs/onderwijsinformatie/educational-rules-and-regulations

External (to the chair) committee members: Example WM:

Gezondheidstechniek			Waterhuishouding	
Drinking water	Waste water	Urban water engineering	Hydrology	Water resources engineering
Luuk Rietveld	Jules van Lier	Zoran Kapelan	Miriam Coenders	Nick van de Giesen
Bas Heijman	Merle de Kreuk	Lisa Scholten	Thom Boogaard	Rolf Hut
Boris van Breukelen	Ralph Lindeboom	Jeroen Langeveld	Mark Bakker	Gerrit Schoups
Doris van Halem	Henri Spanjers	Dhruv Mehta	Wim Bastiaanssen	Erik Mostert
Jan Peter vd Hoek	Michele Laureni	Riccardo Toarmina	Markus Hrachowitz	Olivier Hoes
Gertjan Medema			Ruud van der Ent	Edo Abraham
Kim Lompe			Wim Luxemburg	Maurits Ertsen
Mirjam Blokker			Martin Bloemendal	Martine Rutten
			Remko Uijlenhoet	Marie-Claire ten Veldhuis
			Jan Willem Foppen	Ronald van Nooyen

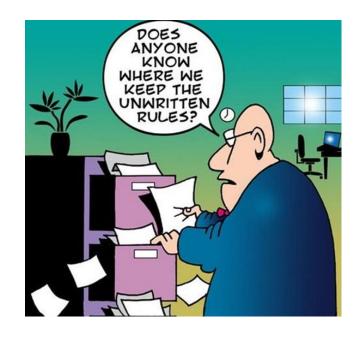
Doing the thesis work: committee interaction



Meeting the assessment committee:

Start (kick-off), In between, Green light

!! Stay in touch with the committee !!





Doing the thesis work: help with the writing process

TU Delft's Writing Centre www.tudelft.nl/writingcentre

- Writing a thesis can be very challenging. For students who find this extra challenging, a coaching session with the Writing Centre could be useful.
- In an online 45 minutes coaching session, the student will talk with a writing coach (a trained student from the TU) about the writing task and writing process, so that they can continue to write with more motivation, more confidence and more skills.
- A session at the Writing Center is free of charge and can be scheduled several times (max. 5) throughout the graduation process. So, not only in the writing phase, but also at the beginning (orientation phase) and at the end (revision phase).

Need some help with your Master Thesis?

Consult the Writing Centre!

Where? Online via a conference call

When? Every weekday. Check time slots on the website.

What? Talking with a writing coach about your writing (for free!)







Announcement: Bi-weekly MSc & PhD meetings

DISPUUT WATER & ENVIRONMENT

Odd week numbers: General Scientific Skills – Meeting

What: Bi-weekly meeting focussed on the general scientific skills such as scientific writing, problem analysis and concept development, research methodology, presenting and discussing results, critical thinking and science communication.

For whom: All MSc students working on their thesis and interested PhD students.

From whom: Guided by staff members. Contact person Martine Rutten.

When: Every Tuesday from 3:45pm - 5:00pm (during odd week numbers in Q1).

Where: Room 2.98: Second floor, CITG building.

How to join: Come to room 2.98 or join the teams meeting: https://tinyurl.com/4wf9tbmz (scan QR-code →)

Even week numbers: Topic Specific - Meeting

What: Bi-weekly meeting focussed on topic specific questions based on presentations and challenges from MSc students, PhD'ers and staff members (e.g. sharing the concepts of a hydrological model, a data analysis approach or a recently published paper). The four topics groups are:

- 1. Urban Water Systems and Management.
- 3. Human-Influenced Water Systems, e.g. Agriculture & Energy.
- 2. Drinking Water and Waste Water Quality.
- 4. Natural Water Systems, e.g. Hydrological Modelling & Soil Moisture.

For whom: All PhD and MSc students working at the same topic.

From whom: All PhD and MSc students working at the same topic.

When: Every Tuesday from 3:45pm - 5:00pm (during even week numbers in Q1).

Where: Room 2.98: Second floor, CITG building (optional online).

How to join: Come to room 2.98 or sign-up and find the meeting link in this form:

https://docs.google.com/spreadsheets/d/17MS20vXkvPb43G5j4qE_AaRKHQQ3rd3TAsxct53mb10/edit#gid=0 (scan QR-code ->)





Doing the thesis work: Green Light & Assessment

Highlights:

Completing

Green light meeting: 20 working days before defence, CIE/AES-3

grade >6 doable

Finish / submit everything 5 days before defence

Defence => Thesis assessment => Diploma

Grading (check grading sheet at Student Portal > ... > Forms Master)

Scientific approach (25%)

Quality of result (25%)

Behavioral skills, such as independence, initiative and communication (20%)

Quality of written presentation (15%)

Quality of oral presentation and defense (15%)

https://www.tudelft.nl/en/student/ceg-studentportal/education/master/forms-master



Checklist / Procedures

See checklist graduation & graduation guide Environmental Engineering at website Water Management

Highlights:



SPA Forms:

Website <u>www.tudelft.nl</u>, student portal, education, master, forms master, go to AES or Civil Engineering

CIE/AES 0: Procedure Graduation (for the Faculty)

CIE/AES 1: Application start MSc [>65EC, => SPA-Citg.tudelft.nl]

CIE/AES 2: Form Master Examination Programme: your list of courses [replaced by MyStudyPlanning cohort 2020>] CIE/AES 2a: Changes to CIE-2 [replaced by MyStudyPlanning cohort 2020>]

CIE/AES 2b: for the MSP cohorts (2020>): composition graduation committee [@start Thesis, sign => Graduation Coordinator]

CIE/AES 3: Application Form MSc degree [@Green light, => SPA-Citg.tudelft.nl]

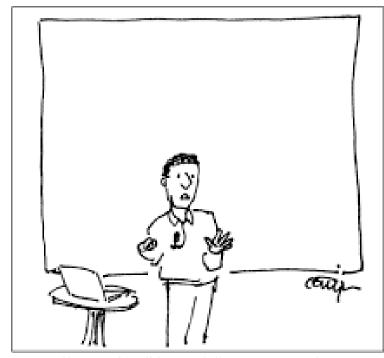
https://www.tudelft.nl/en/student/ceg-student-portal/education/master/forms-master

Procedures

See checklist graduation & graduation guide Environmental Engineering at website Water Management

Highlights:

- Prepare a A4 size document for the WAM website (ongoing MSc research) => send to secretariat
- Participation in Colloquia



Now, on this slide, may I direct your attention to the flashy animation and cool transition effects... because I worked really, really hard on them.

Checklist / Procedures

See checklist graduation & graduation guide Environmental Engineering at website Water Management

Highlights:

Don't forget:

Upload thesis report to Central Library

Education Repository



Procedures

See checklist graduation & graduation guide Environmental Engineering at website Water Management

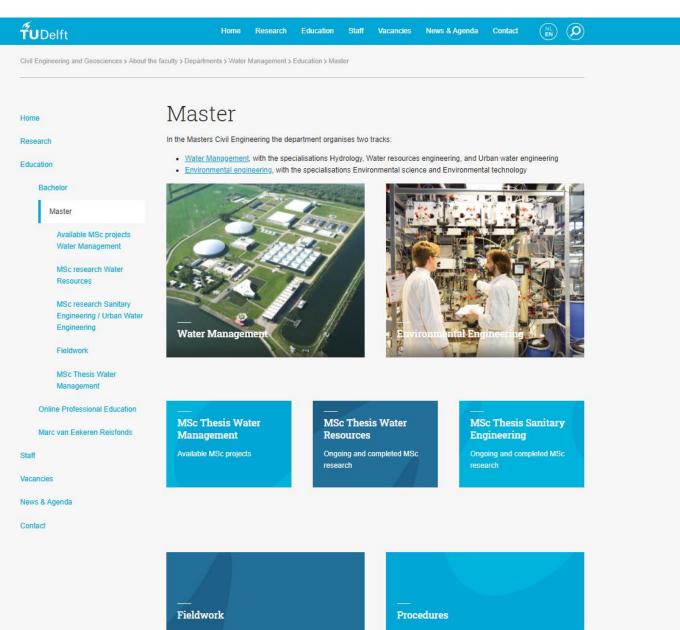
Highlights:

- Reserve a room for the defence
- Send announcements, billboards, secretariat, dispute
- My advise: Try out the defence presentation



Congratulations, don't forget to return the borrowed equipment, ... Congratulations, don't forget to return the borrowed equipment, ... Congratulations, don't forget to return the borrowed equipment

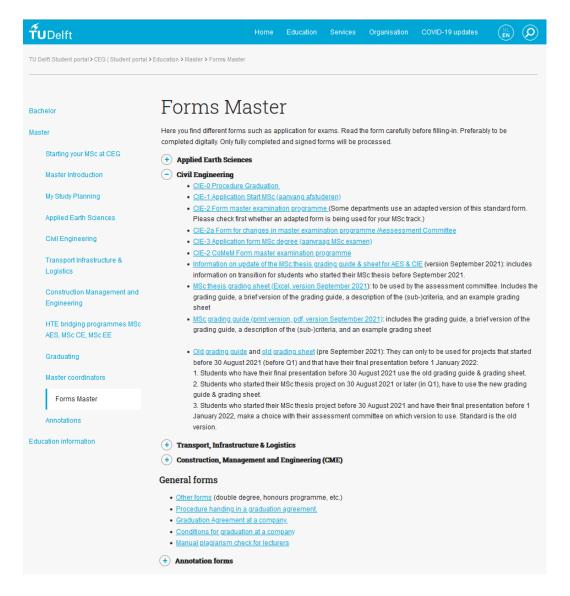
See all and more on: website Water Management





https://www.tudelft.nl/en/ceg/ about-faculty/departments/ watermanagement

& on website CEG Student Portal



& on Educational Rules and Regulations

